APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Characteristics of Probes at Positive Potentials and the Measurement of Gas Density During a Discharge, by B. M. Klyarfeld, A. A. Timofeyev, N. A. Neretina, L. G. G. Guseva, 15 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955, pp 1581-1596.

AEC Tr 2747

48,642

Sci - Physics
Jun 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Contribution to the Theory of the Scattering of X-Rays in Gases, Liquids, Amorphous Solids and Polycrystallites, by V. N. Filipovich.
RUSSIAN, Zhur. Tekh. Fiz., V.[illegible], No. 9, 1955, pp. 1603-1621.
GB/31/LC.909

Sci -
Jul 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Theory of Scattering of X-Rays in Gases, Liquids, Amorphous Solid Bodies and Polycrystalline Materials. Part I, by V. N. Filippovich, 24 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, 1955, pp 1604-1621.

CIA 3616

AEC Tr 3064

53,073

Sci - Physics
Nov 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Theory of Scattering of X-Rays in Gases, Liquids, Amorphous Solid Bodies and Polycrystalline Materials, Part II, by V. N. Filipovich, 23 pp.

RUSSIAN, mp per, Zhur Tekh Fiz, Vol XXV, 1955, pp 1622-1638.

AEC Tr 3064

NLL [illegible] 55, 072

Sci - Physics
Nov 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Internal Photoeffect and Structure of the Basic Absorption Edge in Crystals, by Gross and Belle, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Sep 1955.

USASIA Tr 912

Sci - Physics

50,106

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

(FDD 2716)

Stabilization of the Field of a Magnetic Analyzer of a Beam of Accelerated Ions, by I V. I. Mikhailov, V. M. Morozov, 8 pp.

RK RUSSIAN, ms per, Zhur Tek Fiz, Vol XXV, No 9, Moscow, Leningrad, 8 Sep 1955, pp 1649-1652.

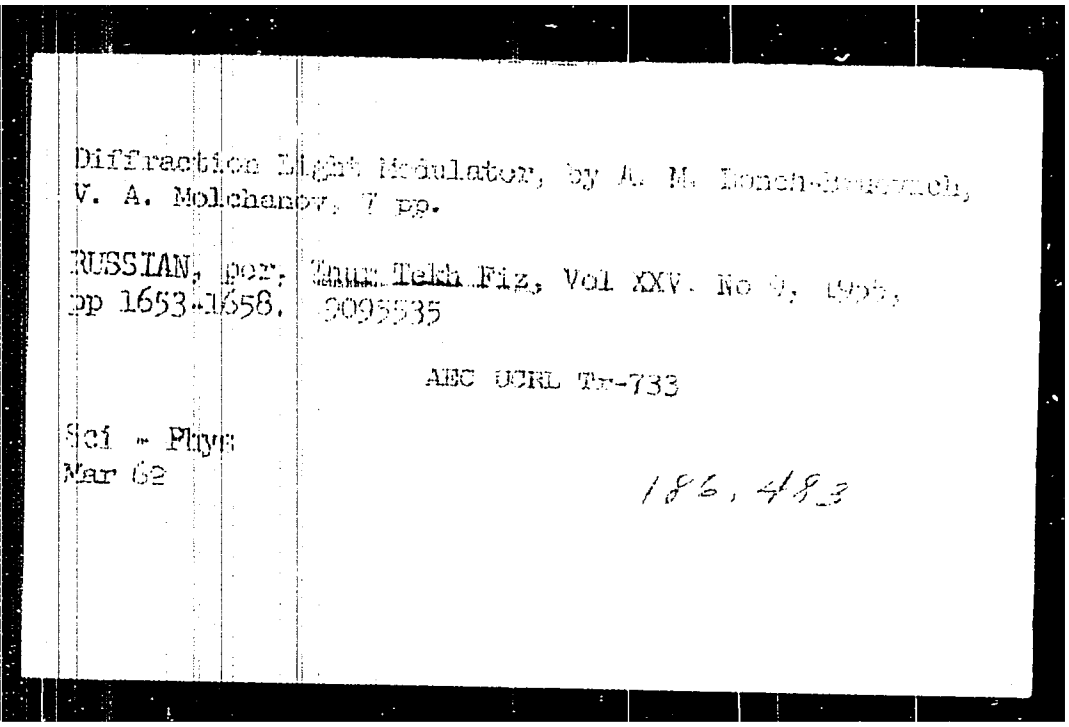
CIA/FDD U-8511

38,204

USSR
Sci - Physics

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4



Diffraction Light Modulator, by A. M. Bonch-Bruevich, V. A. Molchanov, 7 pp.

RUSSIAN, per: Zhur. Tekh. Fiz, Vol XXV. No 9, 1955, pp 1653-1658. 20095535

AEC UCRL Tr-733

Sci - Phys
Mar 62

186, 483

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 10, 1955.

Monia Friedman
CIA/FDD/X-1967

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Distribution of Heat in a TwopPhase System for a Specified Equation of Motion of the Phase Boundary, by G. A. Martynov, 17 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 10, 1955, pp 1754-1767.

42.30

Sci Tr Center RT ~~4489~~

42,057

Scientific - Physics
Dec 56 CTS

1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Electromagnetic Oscillations in a Parabolic Pipe as a Particular Case of the Interaction of Two Cavities Through a Bend, by E. R. Mustel, 13 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 10, 1955, pp 1788-1799.

CIA/FDD X-2414

Sci - Physics
May 1957 CTS/dcx

47,337

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Calculation of Alternating Current Corona Characteristics, by G. N. Aleksandrov, 19 pp.

RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki, Vol XXV, No 10, 1955, pp 1804-1816. 9069001

ARC-tr-5355

Sci - Phys
Dec 62

217,V2

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Concerning an Error Which Appears When the Method of Integral Equations is Used in Antenna Theory, by B. V. Braude, 6 pp.

RUSSIAN, no pub, Zhur Tekh Fiz, Vol XXV, No 10, 1955, pp 1823-1827.

CIA/FDD X-2397

Sci - Physics
May 1957 CRB/dec

47,499

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Some Problems of Phase Measurements, by A. M. Bonch-Bruevich, V. I. Shirokov, 26 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp 1825-1842. 9095537

AEC UCRL Tr-734

Sci - Phys
Mar 62

186. #84

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Propagation of Electromagnetic Waves Along a Ribbon Helix Located Inside a Round Waveguide, by E. V. Anisimov, N. M. Sovetov, 8 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 11, 1955.

CIA/FDD X-2396

47,497

Sci - Physics
May 1957 CTB/dcx

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Photo-Electromotive Force of Lead Sulfide Photoconductivity, by R. Ya. Berlaga, M. A. Rumsh, L. P. Strakhov, 10 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 11, 1955, pp 1978-1982.

ATIC F-TS-5487/III

Sci - Phys

Dec 58

77,982

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Preparation of a Semiconducting Ceramic on a Base of WO3 and Investigation of Some of Its Dielectric and Thermal Characteristics, by G. I. Skanavi, et al.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 11, 1955, pp 1883-1892.

Co-Op Trans Sch Tr 300
£4.

413, 945

Sci - Physics
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Supersonic Mercury Vapour Jets, by Ye. M. Fogel, G. A. Lebedkin, O. I. Stepanova, 9 pp. illus.

RUSSIAN, pub. Zhur Tekh Fiz, Vol XXV, 1955, pp 1944-1952. Sch2951

ACSTL 1112

Sel - Engr
Oct 99

97,629

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Turbulent Boundary Layer of an Incompressible Fluid on a Porous Wall, by L. Ye. Kalikhman, 13 pp.

RUSSIAN, per, Zhur Takh Fiz, Vol XXV, No 11, 1955, pp 1957-1964.

OTS 60-17353

Scl

188, 919

30 Mar 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Electromagnetic Surface Waves in Rectangular Grooves, by M. A. Miller, 10 pp.

RUSSIAN, no per, Zhur Fiz Tekh, Vol XXV, No 11, 1955, pp 1972-1982.

CIA/FDD X-2410

Sci - Physics
May 1957 CTB/dex

47, 342

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On a Method of Analysing a K-Doublet of Routgen Lines, by D. N. Vasil'yev.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 11, 1955, pp 1994-1997.

D.S.I.R./26672

Sci - Physics
Apr 57 CES/dem

46, 825

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Some Problems of the Many-Electron Theory of Semiconductors, by S. V. Vonsovski, 18 pp.

RUSSIAN, per, Zhur Tekh Fiz SSSR, Vol XXV, No 12, 1955, pp 2022-2029.

S.L.A. Tr R-146

Sci - Electronics 48,754
May 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Present Status of Some Problems in Semiconductor and Dielectric Theory, and Desirable Directions of Further Development, by S. I. Pekar, USSR/MIPHS

PROGRAM, pro, Fiz Tekh Pla, Vol XXV, No 12, 1955, pp 2029-2043.

Sci Mus Lib Tr 57/4489

Sol. - Phys
Sep 58

23,354

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On the Theory of Semiconductors With an Impurity Band, by A. G. Samoylovich, M. I. Klinger. USSR.

RUSSIAN, par, Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2050-2060.

DSIR Lending Library Unit N.22

Sci - Phys
Apr 59

83,985

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Properties and Structure of Ternary Semiconductor Systems. 2. Electric Properties and Structure of Materials in the Systems Formed by the Thallium-, Antimony- and Arsenic Selenides, by N. A. Goryunova, B. T. Kolomiets. UNCLASSIFIED

RUSSIAN, pub. Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2069-2078.

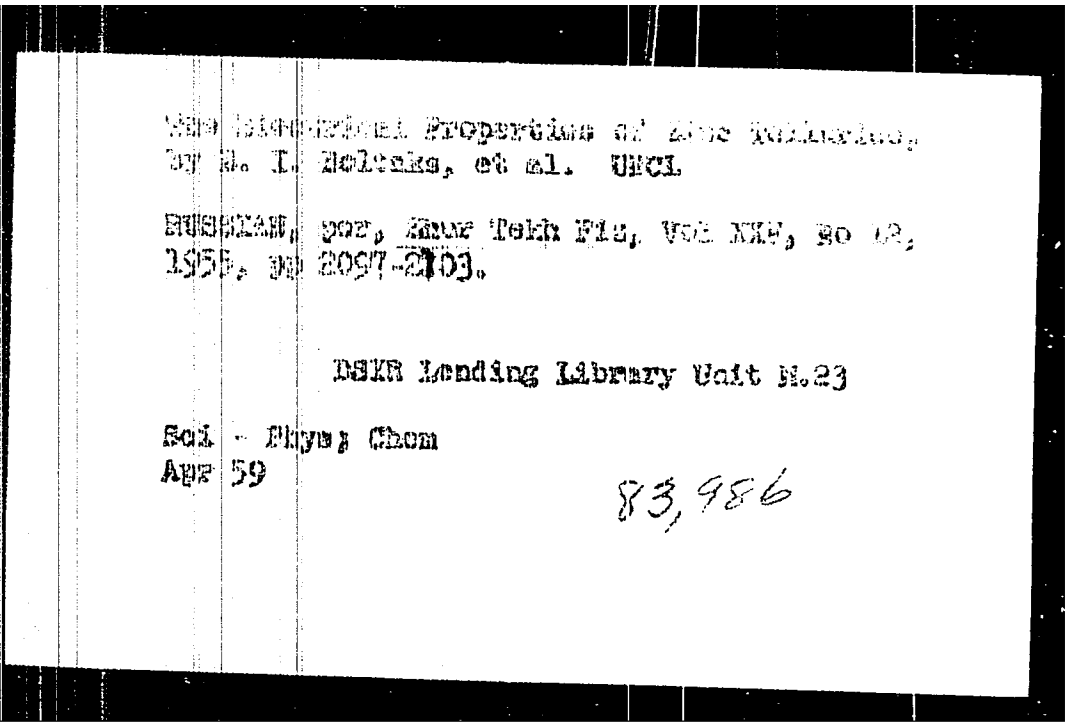
Sci Nos Lib 57/4463

Sci - Phys
Sep 58

93,384

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4



Some Electrical Properties of Zinc Selenide,
by K. I. Zaitsev, et al. UFCL

RUSSIAN, pos, Zhur Tekh Fiz, Vol XXV, No 12,
1955, pp 2097-2103.

DSIR Lending Library Unit N.23

Sol - Phys; Chem
Apr 59

83,986

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Possibility of Obtaining a P-N-Transition in Germanium by Means of Pulse Heating, by M. M. Bredov.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp 2104-2111. CIA D 9010133

A.C.S.I.L. Tr 876

Sci -Chemistry
Jul 57

49,884

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Absorption Spectra of Silver Halide and Thin Silver Layers, by E. A. Kirillov, 15 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2143-2149.

Sci Tr Center
RT-4016

Sci - Physics
Sep 56 CTS/dax

39,127

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Dynamic Elastic Stressing as a Method of Investigating the Character of the Elasticity of Elastomers, by M. P. Votinov, Sc. D.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2157-2162.

Co-op Tr Sch Tr 416

CSIRO 59, 357

Sci - Physics
Mar 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Brittle Fracture Under Biaxial Compression, by N. N. Davidenkov, V. A. Yarkov, 5 pp.

RUSSIAN, per, Zhurnal Tekh Fiz, Vol XXV, No 12, 1955, pp 2200-2202.

Sci Mus Lib 56/1153

Sci - Physics

39,487

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On the Material Constants Necessary for the Description of the Elastic Properties of Crystals, by A. V. Stepanov, 7 pp.
Abstract

RUSSIAN. mo per, Zhur Tekh Fiz, Vol XXV, 1955, pp 2203v.

CIA/FDD X-2525

37, 846

Sci - Physics
Aug 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Single Scattering of Stripped Argon Ions, by D. M. Kaminker, N. V. Fedorenko, 16 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, 1955, pp 2239-2255.

AEC Tr 2745

Sci - Physics
Jun 57

48,641

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Photoeffect of Antimony-Cesium Cathodes Sensitized by Oxygen, by B. I. Dyatlovitskaya.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2264-2276.

Assoc Tech Sv
Tr RJ-588
$16.80

52, 240

Sci - Chem Physics
Sep 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Determination of the Coefficient of Diffusion of Ionic Ag in AgBr by the Method of Removing Thin Slices, by S.N.Banasevich et al.
RUSSIAN, pr, Zhur.Tekhn. Fiz.Vol. 25
1955, pp. 2277-2279.
*CFSTI TT 70-57017

Sci/phys
FEb 70

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On an Optimum Law of the Automatic Sweep of Mass-Spectra, by V. L. Tal'rose, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2280-2281.

Morris D. Friedman.
$1.50

38,236

Sci - Physics

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Accurate Magnetic Sweep System of Mass-Spectra.
[illegible] L. I. Gel'man, A. K. Lyubimova.

USSR, Moscow, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2280-2285.

Morris D. Friedman

39,553

[illegible] Physics
Oct 1956 CRS/dcm

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Investigation of Construction Methods of Characteristic Curves of Thermal Inertia, by G. M. Levin, Ye. M. Malkova, A. K. Semenova, 15 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2285-2295.

OTS 60-17348

Sci

188,909

30 Mar 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Induced Thermal Noise in Antennas, by M. L. Levin, 6 pp.

RUSSIAN, mo per, Zhur Tech Fiz, Vol XXV, No 13, 1955, pp 2313-2318.

CIA/FDD X-2408

Columbia Tech

47, 341

Sci - Physics
May 1957 CTB/dex

OTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Electrical Properties of Cadmium Telluride, by B. I. Boltaks, et al.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2329-2335.

Assoc Tech Sv TS
$9.50
RT-771

Sci - Chemistry
Aug 57

51, 5-31

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On the Formation of Cohesion of Metals During
Joint Plastic Deformation, by S. G. Ainbinder,
E. F. Klokova, 12 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 12,
1955, pp 2356-2364.

Morris D. Friedman
$6.00

Scientific - Physics
Min/Metals

Sum 56 CPS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

The Electromagnetic Field of a Dipole Radiator Which Is Located Inside a Paraboloidal Reflector, by I. P. Skal'skaya, 12 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2371-2380.

CIA/FDD X-2417

Sci - Physics
May 1957 CTS/dex

47,340

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Conference on the Theory of Semiconductors, by G. E. Pikus, Yu. A. Firsov, 25 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, pp 2381-2394.

Morris D. Friedman

Scientific - Physics

34,721

May 56 CRS/dox

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

On the Effect of the Surface Curvature of a Convex Metallic Body On the Radiation of a Source on this Surface, by M. L. Levin, 2 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 13, 1955, p 2395.

34,728 Morris D. Friedman

Scientific - Physics

May 56 CIS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Photoconductivity in EuI_2 Generated by the Action of Visible Light, by D. V. Chapur, 17 pp.

Russian, no per, Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2411-2418.

Sci Tr Center
NT-[redacted] 3555

Sci - Physics

37,862

Aug 1956

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Use of Hydrophobic Earth for Elimination of Frost-Heaving, by D. I. Sel'kin, 9 pp.

RUSSIAN, per, Zhur. Tekh. Fiz, Vol XXV, 1955, pp 2451-2457.

S.L.A. Tr No R-248

Soil - Meteorology
Apr 57

46,888

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Vykhovskaya, L. N. and Kushnir, Yu. M.
ELECTRON-OPTICAL INVESTIGATIONS OF MULTI-LAYER PHOTOCATHODES. [1963] [12p] 9refs
AERDL T-1710.
Order from OTS, SLA, or ETC $1.60 TT-64-13557

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 14, p. 2477-2485.

(Physics--Electronics, TT, v. II, no. II)

TT-64-13557

I. Vykhovskaya, L. N.
II. Kushnir, Yu. M.
III. AERDL-T-1710
IV. Army Engineer Research and Development Labs., Fort Belvoir, Va.
V. Faraday Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Stretching of Polymers Under Polarized Infra-Red Light, by V. N. Nikitin, M. V. Vol'kenshtein, et al.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp 2486-2491.

CSIRO

Sol - Phys
Jul 58

204, 906

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

(FDD 27527)

A Stigmator for Electron Microscopes, by P. A. Stoyanc
8 pp.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol. XXV, No 12. Moscow/
Leningrad, Dec 1955, pp 2,537-2,541.

CIA/FDD U-8580

USSR
Sci - Electronics, microscopy

38, 855

Aug 56 CRS/DEM

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Photoelectro-Optical Dyanometer, by G. A. Dubov, V. R. Regel.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 14, 1955, pp 2542-2544.

*TIL T-5137

Sci - Phys

Jul 60

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Determination of Hydrogen in Certain Metals by the Method of Isotopic Balancing, by A. N. Zaidel, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955, pp 2571-2573.

AEC Tr 3162

Sci - Phys

May 58

62, 636

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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2/Nor Tekh Fiz

RUSSIAN, Journal of Technical Physics, USSR,
Vol XXV, No 1b.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Feb 57 CTS

43,800

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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RUSSIAN, per. Zhur Tekh Fiz, Vol XXV, No 14, 1955.

CIA/FDD/X-2051

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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ZHURNAL TEKHNICHESKOI FIZIKI

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Contradictions Between the DeBoer Scheme & the Facts Concerning the Region Cs-O-Ag and Similar Cathodes, by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7, 1956, Chapter III, Section I.
ERDL, Ft Belvior T-420a
(AD 436426)

Sci - Phys
Sep 64

265,046

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Mechanism of Action of Thin-Film Cathodes,
by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 1, 2.
ERDL, Ft Belvoir T-420b
(AD 436425)

Sci - Phys
Sep 64

265,047

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Energy Band Picture for Cs-O-Ag Cathodes,
by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 4, 5.
ERDL, Ft Belvoir T-420c
(AD 436424)

Sci - Phys

Sep 64 265,048

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Fatigue of Thin-Film Cathodes, by N. S. Khlebnikov.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7,
1956, Chapter V, Section 7.
ERDL, Ft Belvoir T-420d
(AD 436423)

Sci - Phys
Sep 64

265,049

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Methods of Precision Measurement of Peltier Effects and Thermal EMF'S, by M. Shtenbek, P. I. Baranskiy, 17 pp.

RUSSIAN, per, Zhur Tekh Fiz (USSR), Vol XXVI, No 7, 1956, pp 1373-1378.

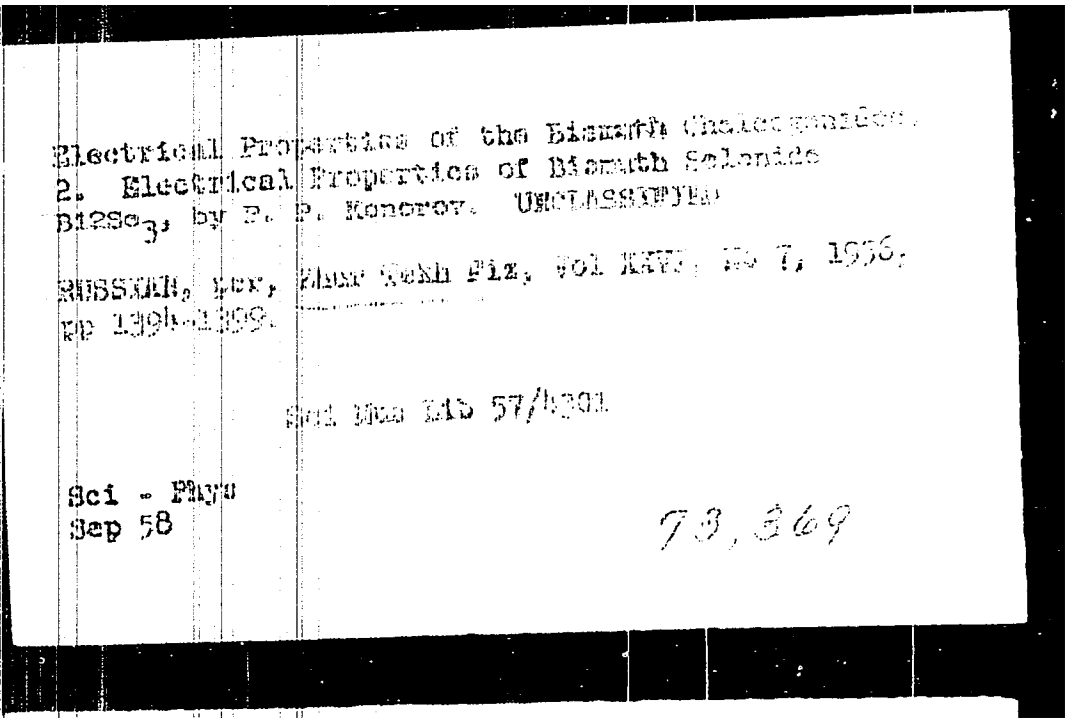
LC or SLA 59-10079

Sci - Physics
Feb 59

81,531

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4



Electrical Properties of the Bismuth Chalcogenides.
2. Electrical Properties of Bismuth Selenide
Bi_2Se_3, by P. P. Konorov. UNCLASSIFIED

RUSSIAN, Zhur Tekh Fiz, Vol XXV, No 7, 1956,
pp 1301-1309.

Sci Mus LC 57/1301

Sci - Phys
Sep 58

73,369

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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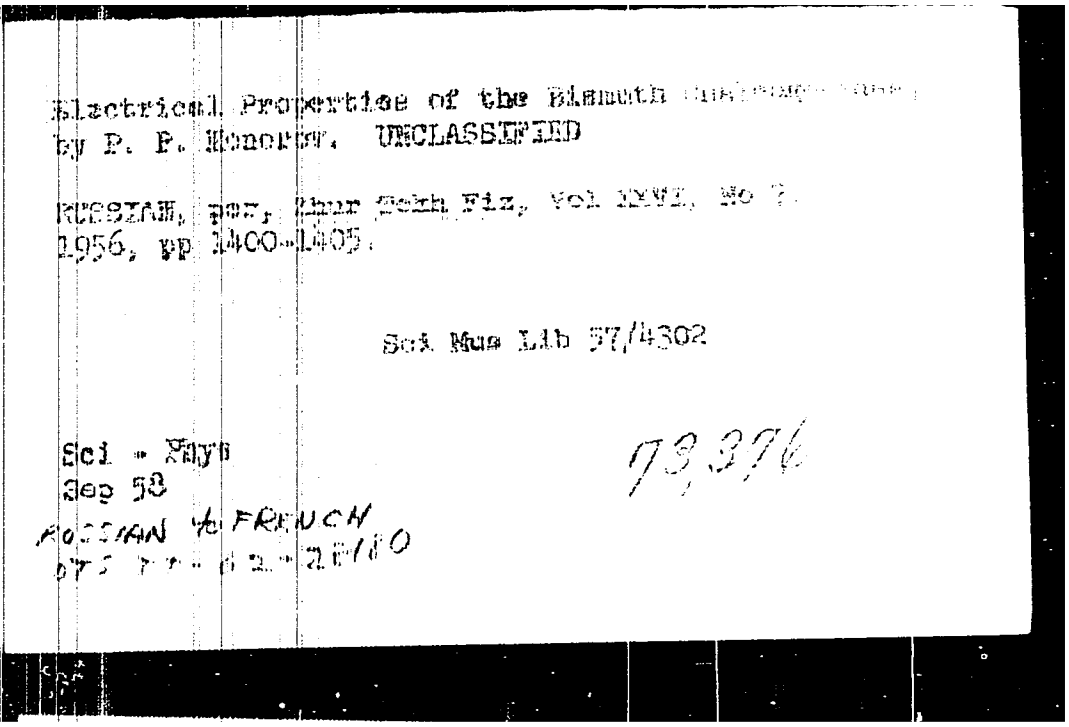

Electrical Properties of the Bismuth [illegible]
by P. P. Konorov. UNCLASSIFIED

RUSSIAN, per, Zhur Eksh Fiz, Vol XXVI, No 7,
1956, pp 1400-1405.

Sci Mus Lib 57/4302

Sci - Phys
Dep 58

RUSSIAN to FRENCH
OTS [illegible] 62-28110

73,376

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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Vasenin, F. I. and Konovalov, P. F.
HET IONISATIE RONTGENONDERZOEK VAN TELLURIDE BISMUTH (An Ionization X-ray Investigation of the Structure of Bismuth Telluride) tr. by G.B.J.Overbeek. 12p. 13 refs. MTWL: 914. (Text in Dutch).
Order from OTS or ETC $1.85 61-17594

Trans. of Zhurnal Tekhnicheskoĭ Fiziki (USSR) 1956, v. 26, no. 7, p. 1406-1414.

DESCRIPTORS: 'Bismuth alloys, *Tellurium alloys, Ionization, X-ray diffraction analysis, 'Crysta' structure, *Thermo electricity.

61-17594

I. Vasenin, F. I.
II. Konovalov, P. F.
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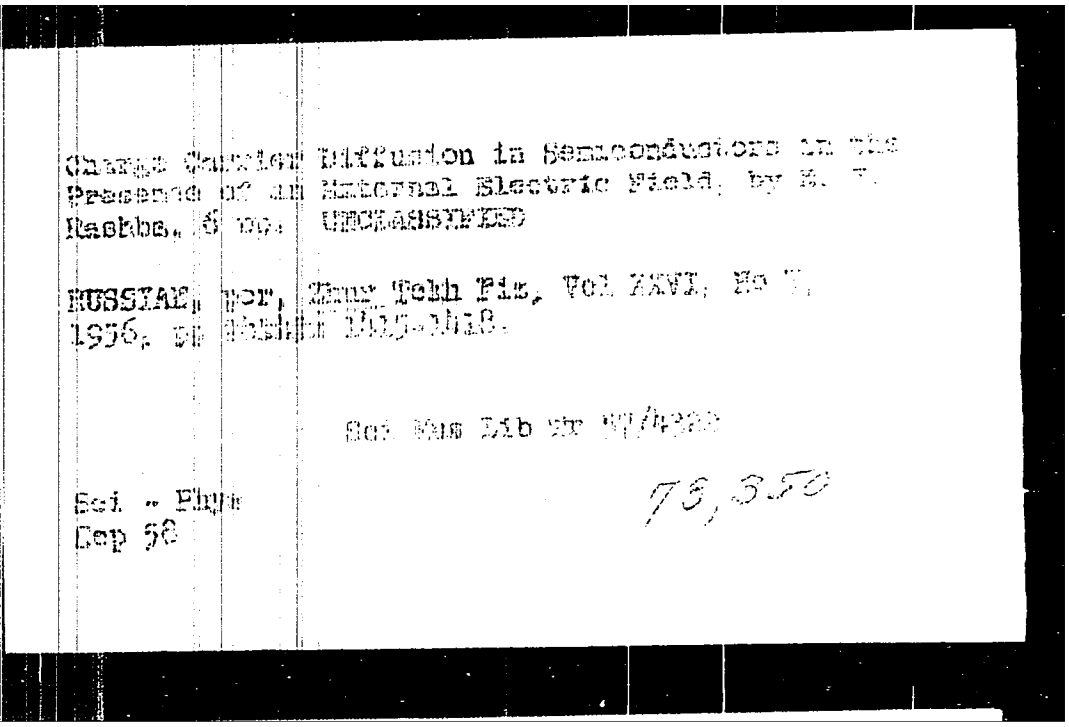

Charge Carrier Diffusion in Semiconductors in the Presence of an External Electric Field, by B. T. Geballe, 6 pp. UNCLASSIFIED

RUSSIAN, Zhur Tekh Fiz, Vol XXVI, No 7, 1956, pp 1465-1470.

Sci Mus Lib ck 9/4/58

75,350

Sci - Phys
Dep 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Kinetics of the Increase in the Photoelectric Current and the Phenomenon of Quenching of the Photoconductivity of Cadmium Sulfide, by A. D. Shneider, 11 pp.

RUSSIAN, por, Zhur Tekh Fiz, Vol XXVI, No 7, 1956, pp 1428-1432.

Bel Mus Lib Tr 57/1804

Bel - Physics
Nov 57

55,122

X-2774

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Study of the Crustallinity of Some Polymers by Means of Infrared Spectroscopy, by E. I. Pokrovskiy, I. P. Kotova.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 7, 1956, pp 1456-1460.

Assoc Tech Sv
$5.00 Tr RJ-817

Sci - Chemistry
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57,746

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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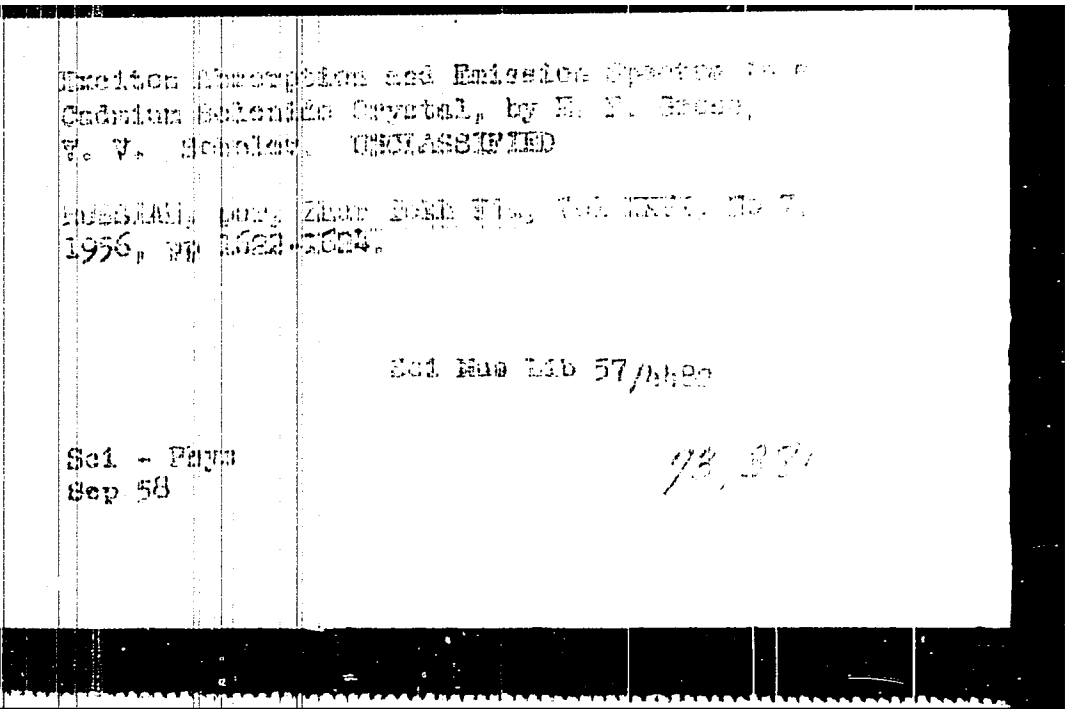

Exciton Absorption and Emission Spectra in
Cadmium Selenide Crystal, by E. I. Rashba,
V. V. Sobolev. UNCLASSIFIED

Fizika Tver. Tela, Vol XXVI, No 7,
1956, pp 1662-1674.

Sci Nuc Lib 57/4;80

Sci - Phys
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Properties and Structure of Ternary Semiconductor Systems. 3. Conductivity and Hall Photoconductivity in Systems Formed by the Sulphides of Thallium, Antimony and Bismuth, by E. A. Goryunova, D. T. Kolomiets, A. A. Kal'nova. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1625-1633.

Sci Mus Lib 57/4288

73,392

Sci - Phys
Sep 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Properties of Ax Cadmium Sulfide Photoconductors Bombarded by γ- and β-Rays, by S. V. Svechnikov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1646-1650.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Field Emission of Tantalum, by M. I. Elinson, G. F. Vasil'yev, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1669-1670. 9092695

MDF E-101

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Dielectric Losses in Glasses, III, by
Verebeichik,

RUSSIAN, pr, Zhur Tekh Fiz, Vol XXVI, No 8,
pp 1704-1713, 1956,

C.S.I.R.O.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Investigation of the Dielectric Polarization and Losses of Polytrifluorochloroethylene, by G. P. Mikhailov et al.

RUSSIAN, per, Zhur Tekh Fiz, Vol. XXVI, No 8, 1956, pp 1723-1729.

Co-Op Trans Sch Tr 346
£2.2s.

49,174

Sci - Physics
Jul 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Temperature Measurement by Radiation Under High Pressure and Certain Optical Phenomena in Gases Under These Conditions, by I. A. Kalashnikov, L. F. Vereshchagin.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1802-1814.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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Causes of the Development of Large Plastic Deformations in Specimens With Circular Notches in Tension, by U. I. Likhachev, 12 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1841-1848.

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The Experimental Determination of the Thermal Conductivity of Liquid Oxygen, by N. V. Tsederberg, D. L. Timrot.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 8, 1956, pp 1849-1856.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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ZHURNAL TEKHNICHESKOI FIZIKI

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To the Theory of Electromagnetic Wave Propagation in Media With Random Inhomogeneities of the Refractive Index, by V. V. Merkulov.

RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXVII, No 5, 1957, pp 1051-1055.

SLA 1971

*~~Harris D. Friedman~~

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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Vol 28, Nos 1-12, 1958
Vol 29, Nos 1-12, 1959

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No 11, 1959, pp 1360-1367 JPRS 3308
No 11, 1959, pp 1368-1372 JPRS 3309

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No 5, 1960, pp 504-507 JPRS 5117
No 5, 1960, pp 512-521 JPRS 5113

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ZHURNAL TEKHNICHESKOI FIZIKI

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Available Br 5 Lib

No 12, 1961, pp 1477-1484 JPRS 12,962

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ZHURNAL TEKHNICHESKOI FIZIKI

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ZHURNAL TEKHNICHESKOI FIZIKI

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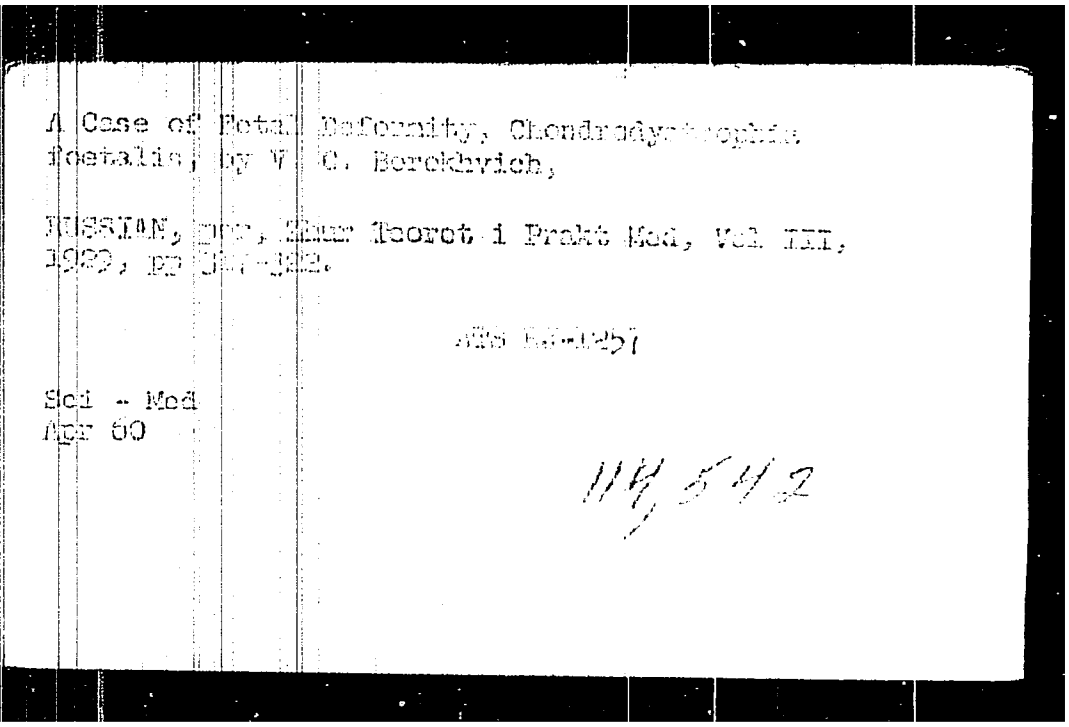

A Case of Fetal Deformity, Chondrodystrophia Foetalis, by V. G. Borokhvich,

RUSSIAN, [illegible], Klin Teoret i Prakt Med, Vol XIII, 1929, pp [illegible].

Sci - Med
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Sedimentation Rate in Malaria, by A. A. Solomin and A. M. Kruglova, 4 pp.

RUSSIAN, per Zhur Trop Med, Vol VII, 1929. pp 553-565.

Sci-Medicine
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SLA R-1099

60,466

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Investigation of Algae on the Content of Beta-Carotene, by I. G. Drokova, 7 p.
RUSSIAN, per, Zhurnal Ukrainskiy Botanichnyi, Vol XVII, No 2, 1960, pp 39-41.
SLA TT 66-10257

Sci-BGM
Jun=66

303,666

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

Carotene Content in Kumaliella Salina [illegible]
Under Conditions of Laboratory Cultivation,
by Bradova, et al,
[illegible], [illegible], Zhurnal Ukrains'kyi Botanichnyi
Zhurnal Akademiye Nauk USSR, Vol XXI, 1964, [illegible].
*RZhBiol

scl-biol
Oct 65

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4

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Vasi'li'y Kuz'mich Trutnev, by N. A. Bolerovskiy, 4

RUSSIAN, per, Zhur Uchnykh, Nosovykh i Gorlovykh Bolezney, Vol XXI, No 2, 1961, pp 94-95.

JPRS 10333

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USSR

Biog

Sci - Misc.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470011-4